

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 4, line 3 with the following rewritten version:

-- A ~~spinning reel~~ reciprocating mechanism of a spinning reel according to the present first aspect of the invention is a mechanism for axially reciprocating, in cooperation with rotation of a handle furnished on the spinning-reel reel unit, a spool mounted fore-end wise on a spool shaft provided in the reel unit. The spinning reel reciprocating mechanism includes a reel unit, a sliding member, shifting means, and at least one guide shaft. The handle and the spool shaft are furnished on the reel unit. The sliding member is mounted on the spool shaft immovably relative to the spool shaft in at least the spool shaft axial direction. The shifting means is for reciprocating the sliding member in the shaft axial direction in cooperation with handle rotation. At least one guide shaft is supported by the reel unit in a plurality of locations on at least its outer circumferential surface and has a position-restricting portion for preventing the guide shaft from being disengaged from the reel unit in at least one axial direction. The guide shaft is for guiding the sliding member in a direction substantially parallel to the spool shaft. --.

Please replace the paragraph beginning at page 4, line 27 with the following rewritten version:

-- Preferably, a ~~A spinning reel~~ reciprocating mechanism of a spinning reel according to the ~~second aspect of the present invention~~ is the mechanism ~~as set forth in the first aspect,~~ wherein the guide shaft is inserted, along the axial direction of the guide shaft, through a plurality of support portions aligned along the shaft axial direction in the reel unit, and its outer circumferential surface is entirely circumferentially supported by the plurality of support portions. The position-restricting portion has an annular groove and a retainer member that is fittable into the annular groove. The retainer member contacts one of the plurality of support portions, on a surface opposite where the guide shaft is inserted, to prevent disengagement in a direction opposite the direction in which the guide shaft is

inserted. In this case, retaining in the insertion direction can be attained by contacting the fore end with the reel unit. In addition, by fitting an appropriate retaining member such as a snap ring into the annular groove, the guide shaft is easily prevented from disengaging in the insertion direction and the opposite direction. --.

Please replace the paragraph beginning at page 5, line 7 with the following rewritten version:

-- Preferably, a A-spinning reel reciprocating mechanism of a spinning reel according to the third aspect of the present invention is the mechanism ~~as set forth in the second aspect~~, wherein the retainer member is a snap ring detachably and elastically locked in the annular groove. In this case, by fitting a C-shaped or E-shaped snap ring into the annular groove, the guide shaft is easily prevented from disengaging. --.

Please replace the paragraph beginning at page 5, line 12 with the following rewritten version:

-- Preferably, a A-spinning reel reciprocating mechanism of a spinning reel according to the fourth aspect of the present invention is the mechanism ~~as set forth in the second aspect~~, wherein the retainer member is a retaining spring formed by bending a metal wire into a hairpin contour, and locked detachably and elastically in the annular groove. In this case, by fitting the retaining spring into the annular groove, the guide shaft is easily prevented from disengaging. --.

Please replace the paragraph beginning at page 5, line 18 with the following rewritten version:

-- Preferably, a A-spinning reel reciprocating mechanism of a spinning reel according to the fifth aspect of the present invention is the mechanism ~~as set forth in the second aspect~~, wherein: the reel unit includes a reel body having a housing space in the interior thereof, and a lid member detachably fixed to the reel body and closing the housing space. The position-

restricting portion includes an annular groove on an outer circumference of the guide shaft and a plate-shaped member that having a U-shaped groove that is detachably and reattachably fitted into the annular groove. The plate-shaped member is pressed toward the guide shaft by the lid member. --.

Please replace the paragraph beginning at page 5, line 26 with the following rewritten version:

-- Preferably, a A spinning reel reciprocating mechanism of a spinning reel according to the sixth aspect of the present invention is the spinning reel reciprocating mechanism ~~as set forth in any one of the second through fifth aspects~~, wherein the retainer member is contacting one of said plurality of support portions on a side closer to a side of said reel unit on which fishing line is reeled out. In other words, the guide shaft is inserted from a rear portion of the reel unit that is opposite a side thereof from which fishing line is reeled out. In this case, when the guide shaft is inserted from the rear portion of the reel unit, disengagement is prevented in the direction opposite the direction in which the guide shaft is inserted. --.

Please replace the paragraph beginning at page 6, line 2 with the following rewritten version:

-- Preferably, a A spinning reel reciprocating mechanism of a spinning reel according to the seventh aspect of the present invention is the spinning reel reciprocating mechanism ~~as set forth in any one of the second through sixth aspects~~, wherein the reel unit further includes a positioning projection boss, and the guide shaft comes into contact with the positioning projection boss when the guide shaft is inserted from the rear of the reel unit, such that an insertion direction position of the guide shaft is determined. In other words, the guide shaft is inserted from the rear of the reel unit, and a fore end thereof comes into contact with a positioning boss provided in the reel unit, whereby the guide shaft is positioned along the insertion direction. In this case, since the positioning boss prevents disengagement in the insertion direction, the guide shaft is more easily retained. --.

Please replace the paragraph beginning at page 6, line 12 with the following rewritten version:

-- Preferably, a A-spinning reel reciprocating mechanism according to the ~~eighth aspect of the present invention~~ is the spinning reel reciprocating mechanism ~~as set forth in any one of the second through sixth aspects~~, wherein: the guide shaft has an interlocking portion formed at a rear end portion thereof along the insertion direction, for interlocking the guide shaft with one of the support portions that is at rearmost end in the insertion direction. By interlocking of the interlocking portion into the support portion, the guide shaft is positioned along the insertion direction. In this case, the position-restricting portion prevents disengagement in the direction opposite the direction in which the shaft is inserted, and the interlocking engaging portion prevents disengagement in the insertion direction. --.

Please replace the paragraph beginning at page 6, line 21 with the following rewritten version:

-- Preferably, a A-spinning reel reciprocating mechanism of a spinning reel according to the ~~present invention ninth aspect~~ is the spinning reel reciprocating mechanism ~~as set forth in the first aspect~~, wherein the reel unit has a plurality of support portions that are formed thereon and aligned along an axial direction. The guide shaft is inserted, along the axial direction of the guide shaft, through said plurality of support portions such that an outer circumferential surface of the guide shaft is entirely circumferentially supported by the plurality of support portions. The position-restricting portion includes two annular grooves into which two snap rings are fittable, ~~the snap rings contacting both side surfaces on a one of the plurality of support portions, whereby the support portion is sandwiched by the snap rings to prevent disengagement is prevented~~ in a direction in which the guide shaft is inserted and the opposite direction. In this case, portions of the guide shaft prevent it from disengaging in both direction, and therefore, the configuration is further simplified. --.

Please replace the paragraph beginning at page 6, line 33 with the following rewritten version:

-- Preferably, a A-spinning reel reciprocating mechanism of a spinning reel according to the ~~tenth aspect of the present~~ invention is the spinning reel reciprocating mechanism ~~as set forth in any one of the first through ninth invention~~, wherein the sliding means includes: a rotating member having a cam, for rotating, in cooperation with rotation of the handle, around an axis substantially parallel to the handle rotational axis; and a cam-engaging groove, provided on the sliding member, engaging the cam and extending in a direction intersecting the direction of the spool shaft. In this case, structure for retaining the guide shaft can be simplified in gear-down type reciprocating mechanisms. --.

Please replace the paragraph beginning at page 7, line 8 with the following rewritten version:

-- Preferably, a A-spinning reel reciprocating mechanism of a spinning reel according to the ~~eleventh aspect of the present~~ invention is the [[a]] mechanism as set forth in any one of the first through ninth aspects, wherein the shifting means includes: a worm shaft disposed substantially parallel to the spool shaft and intersecting spiral grooves that are formed on a surface of the worm shaft; an intermediate gear fixed to the worm shaft for transmitting rotation of the handle to the worm shaft; and an engaging member pivotably accommodated in the sliding member and engaging the worm shaft. In this case, structure for retaining the guide shaft can be simplified in traverse cam type reciprocating mechanisms. --.

Please replace the paragraph beginning at page 8, line 23 with the following rewritten version:

-- Figure 15 is a cross-sectional view of the traverse cam type oscillating mechanism in accordance with the embodiment of Figure 14, viewed along line XV-XV of Figure 14; and [[.]] --.

Please insert the following new paragraph at page 8, between lines 25 and 26:

-- Figure 16 is a schematic perspective view corresponding to Figure 5, showing a mounting structure of the guide shaft in accordance with still another embodiment of the present invention. --.

Please replace the paragraph beginning at page 12, line 10 with the following rewritten version:

-- The rear wall portion 37 and the mid wall portion 38 have through holes 37a (an example of interlocking portion) and 38a (examples an example of support portion) formed therein for the guide shaft 35 to pass through. The guide shaft 35 is inserted from the through hole 37a. The guide shaft 35 passes through a through hole 16c formed in a guide piece 16b of the slider member 16 that protrudes downward, and further through a through hole 38a, so as to be mounted onto the reel body 2a. Specifically, the guide shaft 35 is mounted into the interior of the reel body 2a from the rear. --

Please replace the paragraph beginning at page 12, line 17 with the following rewritten version:

-- The outer circumferential surface of the guide shaft 35 that faces a front side wall surface 38b of the mid wall portion 38 (which is a surface on a far side from where the guide shaft is inserted) has an annular groove 35a formed thereon, which serve as a position restricting portion. On the annular groove 35a, an E-shaped snap ring 36 is attached, by which the guide shaft 35 is prevented from disengaging. The fore end of the guide shaft 35 is prevented from detaching by making contact with a fore-end wall portion 39 (an example of the positioning projection) formed in front of the mid wall portion 38 of the reel body 2a. In other words, the fore-end wall portion 39 prevents the guide shaft 35 from disengaging in an insertion direction, and the E-shaped snap ring 36 prevents it from disengaging in a direction opposite to the insertion direction by making contact with the front side wall surface 38b of the mid wall portion 38. --

Appl. No. 10/602,607
Amendment dated August 30, 2004
Reply to Office Action of April 30, 2004

Please replace the paragraph beginning at page 21, line 1 with the following rewritten version:

(f) In the foregoing embodiment, disengagement of the guide shaft in the insertion direction is prevented by contact of the fore end of the guide shaft, but disengagement in the insertion direction may be achieved by providing a brim 35c (an example of interlocking portion) on the guide shaft, as shown in Figure 16.